

PATENT ABSTRACTS OF JAPAN

(11) Publication number : **11-313059**

(43) Date of publication of application : **09.11.1999**

(51)Int.Cl. H04L 12/18

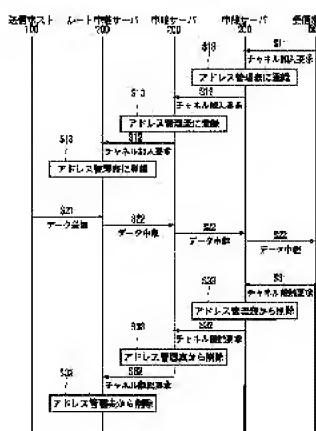
G06F 13/00

G06F 13/00

H04L 12/56

(21)Application number : 10-116577 (71)Applicant : NIPPON TELEGR & TELEPH CORP <NTT>
(22)Date of filing : 27.04.1998 (72)Inventor : ISHIKAWA NORIHIRO MURANUSHI TOSHIHIKO

**(54) MULTICASTING COMMUNICATION METHOD/SYSTEM AND
STORAGE MEDIUM RECORDING MULTICASTING COMMUNICATION
PROGRAM**



(57) Abstract:

PROBLEM TO BE SOLVED: To provide push-type multicasting communication/system having real time property and scalability with respect to the increase of the number of reception hosts, and a storage medium recording a multicasting communication program

SOLUTION: Data whose destination is a channel from a transmission host 100 are distributed to a reception host 500 through one repeating server 200 or a plurality of repeating servers 200 having tree structures where repeating routes are defined for the channels. The reception host 500 transmits a channel entry request message or an entry separation message to the repeating server 200 for requesting entry/separation to/from the channel. Upon receiving the pertinent message, the repeating server 200 registers or deletes the address of the reception host 500 or the slave repeating server 200 in/from an address

management table and repeats the pertinent message to the master repeating server 200.